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Borough of Maidstone.

REPORT OF THE MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1905.

To the Urban District Council.

MR. MAYOR AND GENTLEMEN,

The calculations which I now have the honour to submit for your information are based, as in previous reports, on the assumption that the rate of increase of the population of the Borough during the year ended December 31st, 1905, has been the same as prevailed during the ten years forming the last intercensal period, 1892—1901. On this assumption the estimated population of the Borough is fixed at 34,225, and having regard to convenience of comparison, the date selected for such estimate is the same as in previous years, viz., June 30th.

From out of this population there were registered:—

Of Births	795
,, Deaths	520
,, Marriages	301

So that the rates per thousand were:—

Of Births	23·22
,, Deaths	15·1
,, Marriages	8·7

BIRTHS.—The Birth rate for Maidstone during 1905 was 23·22, which is 1·4 per 1,000 below the rate in 1904; this, in common with the Birth rate for England and Wales is still declining.

The Birth rate in England and Wales in 1905 was 27·2 per 1,000 of the population, which is 0.7 per 1,000 below the rate in 1904, and lower than the rate in any other year on record.

Of the Births in Maidstone, 415 were males and 380 females, giving an excess of 35 boys over girls. Included in this number are 39 births of illegitimate children, so that 4·9% of the births in Maidstone are of this character,as compared with 4·5% during the year 1904.

DEATHS.—The Annual Death Rate of people belonging to the Borough during the year was 15·1 per 1,000; this is somewhat in excess of the rate for 1904, when it was 14·4 per 1,000 Compared with the average rate in the ten years, 1895-1904, the death rate in 1905 shows a decrease of 0·3 per 1,000. The rate for England and Wales during 1905 was 15·2 per 1,000.

In Table I. of the Appendix to this Report details of the Births and Deaths for the past year are given, together with the details and averages for the previous ten years.

In Table III. the 520 deaths are classified in their various age periods, and also under their respective causes.

The rate of Infantile Mortality, that is to say the number of children who died under one year of age per 1,000 of those born in Maidstone is again as last year, very low, viz., 109 per 1,000 births. This is very satisfactory; the rate for England and Wales being 128 per 1,000 births, while in the 141 smaller towns it is 132 per 1,000, and in rural England and Wales, 113.

Deaths per 1,000 Births of Children under one year in Maidstone.

Year.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Whole Year.
1870	165	97	263	115	160
1871	258	107	278	117	190
1872	181	116	171	144	153
1873	136	118	246	127	157
1874	182	93	261	119	164
1875	187	106	157	165	154
1876	147	112	141	98	124
1877	211	140	187	84	155
1878	161	176	209	155	175
1879	135	145	122	165	142
Average	176·3	121·0	203·5	128·9	157·4
1880	135	120	229	118	153
1881	120	119	122	64	106
1882	138	110	100	151	125
1883	218	79	122	139	138
1884	189	78	159	125	138
1885	140	75	187	139	133
1886	118	105	191	166	142
1887	80	59	158	114	103
1888	167	136	167	145	154
1889	132	99	173	137	135
Average	143·7	98·0	160·8	129·8	132·7
1890	136	117	93	113	115
1891	140	113	150	157	140
1892	128	87	110	80	102
1893	64	90	222	80	111
1894	167	119	112	116	128
1895	133	62	172	157	129
1896	156	82	129	162	133
1897	143	80	219	100	138
1898	153	89	234	155	152
1899	81	58	239	197	129
Average	130	89	168	131	127
1900	108	87	143	128	115
1901	157	73	162	104	132
1902	130	60	106	145	117
1903	147	141	97	123	128
1904	128	57	165	81	108
1905	161	70	84	129	109

PHTHISIS (Consumption) and other tubercular diseases account for 77 deaths, giving a rate of 1·95 per 1,000.

EPIDEMIC INFLUENZA has practically disappeared from the causes of death in Maidstone, there being but one death from this malady during the year.

WHOOPING COUGH was not widely prevalent at any period of the year, and there were only two deaths, both of which occurred in children less than one year old.

MEASLES.—This malady caused six deaths during the year, all of which occurred in children under five years of age. The outbreak originated and was most severe amongst the scholars attending the Heath School situated in S. Michael's District, and necessitated the closing of this School from February 22nd to March 17th. This procedure appeared to limit the spread of the malady in this quarter of the town, but it extended to the Eastern district, so that it became necessary to close the Infants' department of Holy Trinity School from June 20th to July 10th.

EPIDEMIC DIARRHŒA.—This malady was remarkable this year for causing but two deaths, whereas in the previous year it was responsible for 25 deaths. On comparing the rate of infantile mortality per 1,000 births during the third quarters of successive years, it will be noticed that in the year under review the rate is exceptionally low, viz., 84 deaths per 1,000 births, as against 165 for the corresponding quarter of the previous year.

The high mortality from Diarrhœa last year, as in previous years, was due mainly to the prevalence of Summer Diarrhœa among infants. The exciting cause of this malady is the presence of certain harmful germs in the milk on which the child is fed, and which are conveyed along the alimentary canal to the infant's stomach.

Here it is interesting to note that during the Autumn of this year, a large proportion of the milk consumed in the town had been sterilized by a well-known process which destroys these germs, and so obviates their deleterious effects. I attribute the saving of life shewn by a comparison of third quarters' returns chiefly to the increasing consumption among infants of milk thus sterilized. If however there are mothers or other persons having the care of infants who for any reason do not care to use sterilized milk, I would strongly urge them never to give milk to infants until it has been boiled. This precaution should be taken at all times, but it is especially important during hot weather.

NOTIFIABLE DISEASES.

SCARLET FEVER.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	19	8	14	2	17	8	6	22	12	1	3	11
2nd ..	9	14	9	5	17	19	17	9	10	11	35	12
3rd....	13	11	4	4	22	7	34	7	5	11	27	12
4th....	29	23	2	1	14	11	73	22	—	9	198	18
Year ..	70	56	29	12	70	45	130	60	27	32	263	53
Cases removed to Sanator'm.	47	35	17	8	31	34	75	47	25	29	170	35

During the first quarter of the year there were but three solitary cases of Scarlet Fever, and the malady was confined to these initial cases, so that by April 15th there were no Scarlet Fever cases in the Sanatorium. In May, however, a case in a scholar attending the Infant's department of St. Faiths' School was notified to me, and on making enquiries I discovered that this child had been ill for fully three weeks before medical attention was directed to his condition. During this three weeks illness the child was capable of communicating the malady, and, as the result of this state of things, eleven children were found to be infected, thus eventually necessitating the closing of the Infants' and Girls' department of the School from the 25th of May to the 13th June.

Another outbreak, apparently of separate origin, occurred at Willington Street and Shepway Street, attacking 14 persons in all, and extending in time from May to September. These cases were so mild, that often no doctor was called in until the stage of "peeling" had been reached, and not until then were they notified to the Medical Officer of Health, so that it was impossible to effectively deal with these cases in the initial stage.

In October the malady appeared in West Maidstone, and attacked the scholars attending the Infants' Department of S. Michael's School. The outbreak was somewhat sudden in onset, and suggested some common factor at work. On October 25th, I visited and examined the Infants who were attending this department, and discovered four children present in the "peeling" state. The department was at once closed and remained so until November 12th. Sixty-one cases were traced to this source.

In November, cases were notified to me in connection with scholars attending St. Stephen's School, at Tovil, and on making investigation I discovered that the initial case occurred in a lad who resided outside the Borough. Eleven cases occurred amongst the scholars attending this School, and on December 6th it was considered advisable to close the School until after the Christmas holidays.

From the above it will be seen that the malady was present continuously from May to the end of the year, and was distributed throughout the whole of the town. The difficulty of preventing the spread of the malady was enhanced by the fact that the type of the disease was very mild; so mild indeed that of the 263 cases notified, only one proved fatal.

In many cases the Sanitary Authority did not receive any notification of its presence until after the time had passed when any effective action could be taken in this direction. This arose partly from the omission to call in medical advice, and partly from ignorance of the law on the subject. I take this opportunity of reminding householders that the State has imposed on them the duty of acquainting the Medical Officer of Health of the existence of Scarlet Fever in their households, and that they are liable to a fine for neglect of this duty.

TYPHOID FEVER.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	5	4	4	14	5	13	7	1	1	—	—	5
2nd ..	5	3	..	5	8	2	3	2	1	3	2	3
3rd....	5	3	1280	8	4	2	4	3	2	1	—	131
4th....	6	6	604	8	6	11	7	5	5	1	1	66
Year ..	21	16	1888	35	23	28	21	11	9	5	3	206

It is gratifying to be able to report that the number of cases of Typhoid Fever notified as occurring within the Borough this year, being only three, is the lowest recorded since the Notification Act has been in force.

One of the cases occurred in a young man who, fifteen days before he gave up his work, had been engaged in emptying an excessively foul accumulation of filth situated outside the Borough. The second case was also a young man whose duties took him often into the neighbouring villages, and who was in the habit of eating water-cress. It cannot be too widely known that this vegetable when grown in a polluted water is very liable to cause this fever. Accordingly, before being eaten, it should always be washed in an abundance of good drinking water. The third case could not be satisfactorily traced.

This almost complete absence of Typhoid Fever in the town, a malady generally due to contaminated water supply, is a powerful testimony to the uniform purity of the Public and Private water supply of the Borough throughout the year.

DIPHTHERIA AND CROUP.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	18	10	44	40	94	16	25	38	4	13	6	29
2nd ..	8	7	50	24	47	9	18	23	5	6	3	21
3rd....	16	9	83	80	36	9	14	15	2	9	12	27
4th ...	30	27	34	96	72	16	25	13	5	11	3	35
Year ..	72	53	**211**	**240**	**249**	50	82	89	16	39	24	112
Removed to Sanator'm.	22	23	122	154	103	34	54	68	11	35	17	62

Diphtheria.—Throughout the year 24 notifications were received, of which number 22 were primary cases. 14 of these cases occurred in West Maidstone and 10 in East. The malady this year was of a very mild type, only one case proving fatal. The case mortality was thus 4·1%; last year it was 12·8%, and the year previous 18·7%.

SMALL POX.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	..	..	..	..	..	..	..	6	..	..	..	·6
2nd ..	..	..	..	1	..	..	..	11	..	..	..	1·2
3rd....	..	..	..	..	..	..	1	15	..	..	..	1·6
4th ..	..	..	..	..	..	1	2	..	..	..	..	·3
Year ..	..	..	..	1	..	1	3	32	..	..	..	3·7

Small Pox.—For the third year in succession the Borough has been free from Small Pox; but this fact should not deter the authorities from recognising that the Borough possesses no sufficient accommodation for the isolation and treatment of even a solitary case. The great value of hospitals in checking the spread of this dire disorder consists in having accommodation available at a moment's notice, so that the initial case or cases may be promptly dealt with, before they have given rise to other cases in the household or in the town.

I have again to thank Mr. Poste, the Vaccination Officer, for his courtesy in supplying me with the figures relating to the state of Vaccination in Maidstone, from which it will be seen that since the new Act came into force the number of children not protected from the liability to contract Small Pox is certainly lower than it was previously, but nevertheless there were added to the population last year alone 112 children who, from various reasons, have never been vaccinated, and who in consequence would run a very great risk, not only of losing their own lives, but also of being a positive danger to the rest of the community, should Small Pox attack the town.

VACCINATION.

Year.	Births.	Successfully Vaccinated.	Insusceptible to Vaccination.	Had Small Pox.	Died unvaccinated.	Number in respect of whom Certificates of Conscientious Objection have been received.	Vaccination postponed.	Removals.	Remaining.	Children not vaccinated (including cases postponed) per cent. per birth.
1898	716	314	1	..	84	27	41	69	180	44·2
1899	818	433	2	..	64	59	79	87	94	38·9
1900	825	420	1	..	61	35	35	81	192	53·6
1901	763	567	1	..	61	95	2	33	15	19·0
1902	815	649	3	..	63	71	10	16	3	12·2
1903	806	620	2	..	76	84	7	12	5	12·1
1904	832	661	1	..	59	91	3	14	3	13·3
1905*	397	309	..	..	27	50	2	6	3	13·8

* January to June.

ERYSIPELAS.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	2	5	2	6	9	3	3	6	10	3	4	5
2nd ..	2	3	2	4	6	5	3	5	4	3	0	3
3rd . .	7	5	2	7	2	3	3	6	5	1	4	4
4th....	6	6	7	12	6	9	8	13	6	1	8	7
Year ..	17	19	13	29	23	20	17	30	25	8	16	20

ERYSIPELAS.—The number of notifications during the year is below the average of the previous 10 years, none of the cases call for special comment.

PUERPERAL FEVER.

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	1	3	3	..	1	..	1	..	1	2	..	1·2
2nd ..	..	..	..	..	1	..	..	1	3	..	..	·5
3rd....	..	..	1	..	..	..	..	1	..	..	..	·2
4th....	1	..	..	1	1	..	..	2	1	..	..	·6
Year ..	2	3	3	1	3	..	1	4	5	2	..	2·4

PUERPERAL FEVER.—It is satisfactory to note that no case of Puerperal Fever has occurred in Maidstone for nearly two years. This in a large measure is due to the provisions of the Midwives' Act, which insists on the registration and supervision of Midwives by the Health Authority.

TOTAL NOTIFICATIONS.

The total number of notifications received during the year is exceptionally heavy, owing to the number of mild Scarlet Fever cases. The number of cases of every other notifiable disease is considerably lower than the average for the previous ten years.

The detail appears in the following tables:—

Quarter.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 Years' average.
1st	45	30	67	62	126	40	42	73	28	19	13	52
2nd ..	24	27	61	39	79	35	41	51	23	24	40	40
3rd....	41	28	1370	99	64	21	56	47	14	22	43	177
4th....	72	63	647	118	99	18	115	55	17	23	210	120
Year ..	182	148	2145	318	368	114	254	226	82	88	306	402

Disease.	Previous 10 Years' average.	1905.
Diphtheria Croup	110	24
Scarlet Fever	35	263
Typhoid Fever Continued Fever	206	3
Erysipelas	20	16
Puerperal	2·4	..
Small Pox	3·7	..

THE SANATORIUM.

During the year the following cases have been admitted for treatment, viz.: —

Diphtheria	17
Scarlet Fever	170

Diphtheria.—Of the 17 cases admitted to the Sanatorium, but one died, equalling a case mortality of 4·1%. The Diphtheria Block was unoccupied for a fortnight during June, and again in July, and also during the latter part of November and the whole of December.

Scarlet Fever.—Of the 170 cases admitted during the year, but two died, equalling a case mortality of 1·1%.

The resources of the Sanatorium were heavily taxed during the outbreak, more especially from the beginning of October to the end of the year.

It was accordingly considered advisable to utilize the Iron shelter erected in the grounds in 1902, and to transfer from the permanent block to this temporary building such cases as had passed the acute stage of the Fever.

This arrangement had the further advantage that it enabled us to retain these convalescents in the Sanatorium, but away from the more infectious cases, for some few weeks longer than would otherwise have been possible, before they left for their respective homes. In this way the risk of spreading the malady after leaving the Sanatorium was reduced to a minimum.

In November, the North Block being full of acute cases and the temporary one of convalescents, it was thought well to cease taking cases of Diphtheria into the South Block, where they are usually accommodated, and to use this Block also for Scarlet Fever. Fortunately during this period only one case of Diphtheria occurred in the town, and this was treated in the patient's own home, the Doctor in attendance being supplied with anti-toxin for preventive and curative purposes at the public cost. No extension of the malady occurred. The large number of cases of Scarlet Fever under treatment at the same time necessitated an increase in the Nursing Staff, four additional nurses being engaged. In order to provide sleeping accommodation for this addition to the Staff, a cottage was hired abutting on the grounds. This arrangement is not satisfactory, the Matron having but little control over the Nurses housed in this cottage.

The difficulty would be met by making extra bedroom accommodation in the Administration Block. Plans for the extension of this block have been prepared, and some portion of the plans have been carried out in the erection of a lavatory and a much needed bath-room.

During the year two earthenware baths have been fixed in the North and South Blocks respectively, in place of the moveable metal one which, after many years of constant use, had perished.

The number of patients treated in the Sanatorium for the past year and for the previous ten years is as follows:—

DISEASE.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Previous 10 years' average.
Diphtheria	22	23	122	154	103	34	54	68	11	35	17	64
Scarlet Fever	47	35	17	8	31	34	75	47	25	36	170	52
Small Pox	...	...	...	1	...	1	2	31	...	...	...	3
Totals.................	69	58	139	163	134	69	131	146	36	71	187	119

The cost of rations for Staff and Patients is set forth in the following Table:—

Cost of Rations at the Sanatorium for Staff and Patients.

1904.	STAFF.				PATIENTS.			
MONTHS.	No. OF DAYS.	COST. £	s.	d.	No. OF DAYS.	COST. £	s.	d.
January	211	12	8	3	218	9	19	1
February	168	9	17	8	158	7	10	4
March	186	10	18	10	151	6	10	3
April	180	10	11	9	69	2	17	4
May	186	10	18	10	126	6	12	11
June	177	10	8	3	538	23	4	7
July	217	12	15	4	748	33	1	7
August	217	12	15	4	527	23	5	2
September	231	13	11	9	824	36	7	11
October	248	14	11	9	848	37	2	2
November	290	17	1	2	1301	55	18	1
December	400	23	10	8	1582	67	14	2
Total	2711	£159	2	7	7090	£310	3	7

GENERAL SANITARY CONDITION AND PROGRESS.

From Mr. Bunting, the Borough Surveyor, I learn that the following works of Sanitary interest have been carried out during the year:—

New Houses erected	142
Buildings undergone alterations	21
Buildings of the Warehouse class erected	19

The following Sewer extensions have been made:—

SURFACE WATER SEWERS.

St. Peter Street	180ft. run.

SOIL SEWERS.

Loose Road	2,505ft. run.

The following Sewers have been removed and re-laid:

SOIL SEWERS.

Tovil Main Sewer	740ft. run.
Week Street	1,058ft. ,,
Earl Street	48ft. ,,
Union Street	40ft. ,,
Museum Avenue	130ft. ,,
Number of connections to Sewer	57

The routine work of sanitary interest accomplished during the year is set forth in the following table compiled by Mr. Jackling, the chief Sanitary Inspector (see page 16).

Table showing the number of Houses and other Premises dealt with by Notice or otherwise.

House drains reconstructed	104
Drains repaired and cleansed	22
Old drains trapped from sewer and ventilated	17
Sink and other wastes disconnected from drains and trapped	27
Rainwater pipes disconnected from drains	1
Trapped stoneware gullies provided in lieu of brick and bell traps	154
Cesspools emptied, cleansed, and filled up	26
W.C.'s repaired and cleansed	7
Premises provided with new or additional W.C.'s	24
W.C.'s provided with water supply and flushing apparatus	18
W.C. basins without flushing rims removed and new and sufficient basins substituted	42
W.C. flushing apparatus repaired	499
New cesspools provided	7
Soilpipes removed outside dwellings and ventilated	2
Urinals repaired or reconstructed	3
New pail or earth closets provided	31
Old privies removed	30
Houses supplied with galvanised iron dustbins	69
House roofs repaired	9
Shooting to houses repaired or replaced	16
Back yards of dwellings provided with new concrete or repaired	76
House refuse removed on complaint	34
Overcrowding abated	2
Pigeons, poultry, and animals removal	4
Manure removed	2
Other nuisances abated	14
Houses supplied with Company's water	9
New tippers provided to slopwater closets	49
New glazed stoneware pipe drainage laid ... feet	7223
New cast iron drainage laid ... feet	343

DAIRIES, COWSHEDS AND MILKSHOPS ORDER, 1885.—Frequent inspections have been made throughout the year, and with two exceptions the premises inspected have been satisfactory.

BAKE-HOUSE REGULATION ACT.—The Bake-houses in the Borough have from time to time been inspected and found to comply with the regulations of the Act.

CANAL BOAT ACT.—No infectious disease could be traced as having been introduced into the Borough by means of the occupants of barges. The number on the Register is but seven, and these have from time to time been inspected.

FACTORY AND WORKSHOPS ACT, 1901.—The detail of the work accomplished under this Act appears in the Appendix, and has been duly forwarded to the Secretary of State.

THE MIDWIVES' ACT, 1902.

During the month of January I received notice from 20 midwives, whose names appear in the Midwives' Roll, of their intention to practise within the Borough during 1906. In accordance with the Act, the names and addresses of these have been supplied to the Central Midwives Board. During the previous year, nine only sent me notice of their intention to practise. A current copy of the Roll of Midwives, containing the names and addresses of the above, is in my possession, and is accessible at any reasonable time for public inspection.

During the year I have taken many opportunities of interviewing the Midwives practising within the Borough, and of enquiring into their mode of practice. I have also given instruction in the use of antiseptics and as to the very great importance of being absolutely clean as regards both the person and the wearing apparel. The records have been regularly inspected. With two exceptions, they are badly kept, and seeing that many of the women are unable to write, this is not surprising. Further, the records as prepared and issued by the Central Midwives Board, presume some slight amount of training on the part of the Midwife in order to fill them up intelligently, and unfortunately

75% of the Midwives practising have not had this advantage; the remaining 25% have had Hospital training, and keep their records according to the rules.

As regards the actual practice among the Midwives in Maidstone, five only have received any Hospital training, the remainder have simply picked up the elements of their Art by tradition, and in many instances have very little idea of the heavy responsibility they accept in looking after women in labour.

The rules as laid down by the Central Midwives Board are most explicit in directing when a Midwife must decline to attend alone, and advise that a registered medical practitioner be sent for; but I have reason to believe that this rule is often *not* acted on by the Midwife.

From statistics I have collected of the number of labours attended by Midwives alone in Maidstone, and from the records I find that 374 out of the total number of 795 births were so attended.

In only eleven of these cases was notice sent of the need for medical help. And of these eleven cases four were those in which the child was still-born, and so the time was allowed to pass when help might have been of service.

I feel confident that many more cases out of the 374 attended must have presented some of the complications scheduled, where the Midwife must decline to attend alone.

No charge of malpractice, negligence, or misconduct on the part of any midwife practising within the area has been of sufficient gravity to report to the Central Midwives Board.

It is satisfactory to note that during the year no case of Puerperal Fever commonly known as Lying-in Fever, has occurred, and in consequence it has not been necessary to suspend any Midwife from practice in order to prevent the spread of infection. Prior to the recent Act coming into force, the average of these cases was 2·8 per annum.

Last year I estimated that 250 out of the total number of 841 births were attended by Midwives.

WATER REPORT.

From the beginning of the year until the middle of November the Borough has been supplied with water from the usual four sources, viz., from springs situated in the chalk at Boarley and Cossington and from the Lower Greensand formation, at the out-crop of the Atherfield Clay at Ewell, and from the deep well sunk in the Lower Greensand formation, situated at Forstal. In November, owing to necessary repairs being carried out at Farleigh, the area usually supplied with water from Ewell was served with the mixed supply from Cossington and Forstal.

THE COSSINGTON SUPPLY.—The gathering grounds here have from time to time been inspected both by myself alone, and also in conjunction with Professor Sims Woodhead and Mr. Ware, the Engineer. The fences round the three grounds situated here are all in good order, the turf compact and closely cut, and the guard houses in excellent condition both as regards stability and cleanliness.

A bacterial examination of this supply was made in June last by Professor Sims Woodhead, who in his report states "there was no evidence of the presence of B. Coli Communis in this water, and the water may be accepted as of good bacteriological quality."

This water has been examined chemically 72 times during the year. On 25 of these occasions the water was collected as near the actual source of the water as possible, and on the remaining 47 occasions the water was drawn from taps situated in various parts of the town, after it had become mingled with the supply from Forstal, and just prior to reaching the consumer. On all these occasions the water was uniformly good, being almost entirely free from organic matter, excepting once in June and once again in July. On these occasions the slight increase in the amount of albuminoid ammonia present was due to vegetable matter of a harmless nature, gaining access to the supply in consequence of the heavy rainfall.

THE BOARLEY SUPPLY.—The gathering grounds situated here as well as the Reservoir have also from time to time been inspected, and found to be in a satisfactory state as regards cleanliness and protection from the liability of contamination from extraneous and preventable causes. At Boarley No. 1 gathering ground, the lower fence having perished, a new one has been satisfactorily erected. At one time the spring head of Boarley No. 2 was not well protected, but this is now entirely surrounded by a strong wooden fence, 6ft. high, with barbed wire on top, and the surface is well covered with Planta Genesta which is thriving, and will eventually form an additional safeguard against surface contamination. At Boarley No. 3, some wire netting 2ft. high has been placed inside the 6ft. wooden fence, this procedure effectually prevents rabbits and other animals from gaining access to the ground immediately surrounding the spring heads. The turf here was close and in good order.

The bacterial examination of the supply by Professor Sims Woodhead is perfectly satisfactory. In his report he states "it may be accepted that all the organisms present are simple water organisms such as may be met with now and again in the best waters."

This supply has been chemically examined 48 times, and remained constant in composition, excepting in June and November, when the amount of albuminoid ammonia present deviated slightly from the normal standard.

THE FORSTAL SUPPLY.—The works here have been examined. The wells and pumps were all clean and carefully protected from the liability of extraneous contamination.

This supply has been examined bacteriologically by Professor Sims Woodhead, who reports that "all the organisms present were merely water organisms. This sample of water is now an excellent one."

In common with all other supplies this water has been periodically examined by chemical methods. On 26 occasions the specimens were collected from the main just as it leaves the well, and on 47 occasions after it had become mingled with the supply from Cossington. The specimens at this stage of its distribution have been collected from taps situated in various houses in the town. On all occasions the water has exhibited constancy of composition, and, with one solitary exception in July, was always clear. The results arrived at by chemical examination of this mixed supply have been in keeping with the chemical composition of the individual supplies.

THE EWELL SUPPLY.—This, it will be remembered, is the only supply that undergoes sedimentation and filtration before distribution. The filters were renewed in March and again in September, and on the occasion of my visits were working well. The water in the clear water tank was beautifully clear and sparkling. The grounds were clean and in good order, and the fences well kept up. I have also visited the gathering grounds of this supply at Ewell and found them quite satisfactory. The spring heads were all securely protected, the covers being fastened. The turf was close, and nowhere could I detect any evidence of disturbance.

The Barming Reservoir remains well protected, the turf year by year becoming closer. An additional number of shrubs have been planted since my last report, which as they grow will help to keep the protecting surface still more secure.

In September the bacterial quality of this supply was not quite up to its usual standard when collected from a tap near its distribution, but when collected from the clear water tank near the filter it maintained its usual high degree of freedom from organisms. After careful examination, it was discovered that under certain conditions some water from the condenser occasionally overflowed into the well from which the water is pumped. This has now been remedied and the water has regained its usual standard.

This supply has been examined chemically 47 times, and has remained constant throughout, shewing that it is but little influenced by surface conditions.

The detail of the various Chemical Analyses, 193 in number, appears in the Appendix. I have brought together in a table as below the average results of the Weekly Analyses of the year, and this forms the Local Standard of Purity of the water.

NAME OF SUPPLY.	BOARLEY.	COSSINGTON.	EWELL.	FORSTAL.	COSSINGTON. AND FORSTAL. MIXED.
Total Solids	41·0	39·1	40·4	41·8	40·2
Chlorine	2·5	2·4	2·8	3·1	2·6
Nitrogen as Nitrates	·743	·590	·536	·04	·471
Free Ammonia	·00	·00	·00	·00	·00
Albuminoid Ammonia	·01	·01	·01	·01	·01
Oxygen absorbed in 4 hours	·006	·006	·007	·006	·007
Hardness, Total	22·5	21·1	20·4	24·0	22·3
,, Perm	8·0	7·35	7·6	8·6	7·7
Colour and Appearance in 2-foot tube	clear	clear	clear	clear	clear
Smell	none	none	none	none	none
Phosphoric Acid	none	none	none	none	none

☞ All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

QUEEN'S ROAD SUPPLY OF WATER.—A reservoir was erected here last year, raised on brick-work several feet above the level of the ground and well away from the risk of contamination by ordinary means, but having regard to the fact that it was situated in a field where labourers of a low type of intellect were not unfrequently employed in farming operations, it was considered well that it should be still further protected by having a stout wooden fence with barbed wire on top placed round it. This has now been done by the Water Company, and renders it practically impossible for any unauthorised person to gain access to it.

NEW PATTERN HYDRANTS.—The whole of the New Pattern Hydrants have now been fixed throughout the Borough.

WATER FROM PRIVATE WELLS.—In consequence of the outbreak of Scarlet Fever occurring at Willington and the persistence of the malady in this quarter, the water drawn from wells situated in this district were analysed. Most of the wells here are sunk into the Hythe beds of the lower greensand formation, and in chemical composition should approximate to the supply drawn from Ewell.

The immediate surroundings of some of these wells were deplorable, this district not being sewered. Various cesspools are scattered about apparently without the least regard to the situation of wells, and as a natural consequence the wells become polluted. The more flagrant cases have been rectified, but the matter is still engaging the attention of the Sanitary Authority.

The detail of the analyses of the waters from these wells, in addition to that of some others, appears in the table on page 25.

METEOROLOGY.

The detail of meteorological observations is set forth in the appendix. The mean reading of the barometer for the year is 30·21 inches, the highest monthly means being for December, 30·66, and the lowest for April, 29·21. The hottest month was July, giving a mean of the maximum readings of the thermometer in the shade of 75·0, and a mean of the minimum readings of 55·0, while the coldest month was January, with a mean of maximum readings of 38·0, and a mean of minimum readings of 29°. The prevailing winds were S.W., there being 79 days on which the wind was in

Date.	Number.	Source.		Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.	Analyst's Remarks.
							Free.	Albu-minoid.		Total.	Perman't.				
April 5th	1	Mill Cottages	Willington.	41·4	3·1	·691	·00	·01	·009	26·8	9·6	Clear.	none	trace	Shows no evidence of organic pollution.
June 8th	2	Mannering's Well, Willington Street		105·4	4·6	·444	·66	·14	·010	19·0	9·0	Cloudy and yellowish brown.	,,	none	Quite unfit for drinking purposes.
,, 22nd	3	Well opposite School		58·0	3·6	·559	·01	·02	·008	18·0	5·8	Opalescent with a brown deposit.	,,	,,	Shows no evidence of organic pollution.
,, 22nd	4	Shepway Street...........		64·8	3·3	·987	·01	·05	·010	20·2	4·6	Opalescent with a slight deposit.	,,	,,	Not a safe water unless previously boiled.
,, 22nd	5	Shepway Street...........		54·0	2·8	·526	·01	·21	·009	16·0	8·3	Clear green.	,,	,,	Shows evidence of vegetable contamination and should be boiled before using.
,, 26th	6	Slender's Well, Willington Street		124·0	6·6	1·755	·03	·08	·009	22·4	16·2	Clear.	,,	,,	Contaminated with sewage material.
July 14th	7	Burr and Brook's Well, Shepway Street		65·4	3·9	·39	·06	·08	·004	22·9	8·6	Yellowish brown with a deposit.	,,	,,	Evidence of organic pollution in this specimen and should be boiled before being used for drinking.
,, 17th	8	Burr and Wickham's Well, Sutton Road		42·0	3·8	·279	·00	·04	·009	19·4	5·8	Clear green with a slight deposit.	,,	,,	No evidence of serious organic pollution.
,, 19th	9	Gatling Lane		62·8	3·8	·378	·25	·57	·008	21·8	6·8	Slightly opalescent.	,,	,,	The large amount of Free and Albuminoid Ammonia renders this water quite unfit for drinking purposes.
,, 24th	10	Harbourland		38·2	3·8	·543	·00	·02	·009	21·6	7·6	Clear.	,,	,,	No evidence of organic pollution
Oct. 18th	11	Coppen's Well ...	Willington, St.	54·0	3·2	·888	·01	·21	·007	23·0	9·6	Yellowish brown and turbid.	,,	traces	Shows evidence of organic pollution and should be boiled if used for drinking.
,, 18th	12	Marsh's Well		50·0	3·0	·823	·01	·07	·006	22·2	10·0	Yellowish brown and turbid.	,,	traces	The large amount of Albuminiod Ammonia present renders this water puite unfit for drinking purposes unless previously boiled.

this quarter. The total rainfall for the year was 24·71 inches, the heaviest amount falling in June, viz., 4·24 inches, while during December the amount registered was ·92 inches, this being the driest month of the year.

CONCLUSION.

No work of great sanitary interest or importance has been completed during the year, but among those which should engage the early attention of the Authority is the provision of a site and buildings for the isolation and treatment of cases of Small Pox. At present the only accommodation we have is situated in the midst of a rapidly growing neighbourhood, which obviously is quite unsuited for the isolation of cases of so infectious a character as this malady.

Numerous difficulties attend the selection of a suitable site and the erection of the necessary buildings; probably these difficulties would be met most effectively by adjoining districts combining to provide a joint Small Pox Hospital.

I have the honour to be,
Mr. Mayor and Gentlemen,
Your obedient Servant,
C. PYE OLIVER, M.D.,
AND
Doctor in State Medicine (Lond.)

The Gables, Maidstone,
March 26th, 1906.

BOROUGH OF MAIDSTONE, 1905.

GENERAL SUMMARY.

Population (estimated to the middle of 1905)				34,225
Number of Inhabited Houses at Census of 1901				6,648
Average Number of Persons to a House				5·14
Area	East Maidstone 2019 acres West ,, 1989 ,,			4008 acres
Density				8·5 persons per acre
Annual Birth Rate			per 1000	23·22
Annual Death Rate			,,	15·1
Zymotic Death Rate			,,	·4
Phthisis & other Tubercular Diseases' Death Rate			,,	1·95
Respiratory Death Rate			,,	2·7
Infantile Death Rate per 1000 Births				109
Births			Males 415 Females 380	795
Deaths	Males 279 Females 241	520	East Maidstone 294 West ,, 226	520
Excess of Births over Deaths				275

Elevation.—The population reside at a mean Elevation of 70 feet above the sea level, ranging from 20 to 120.

Area.—The area of 5,008 acres is divided into two divisions, by Week Street, Gabriel's Hill, and Stone Street; all to the West, including the Western sides of those Streets, constituting West Maidstone; the Eastern portion forming East Maidstone.

TABLE I.—FOR WHOLE DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions.	Deaths of Residents registered in Public Institutions belonging to the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
				Under 1 year of age.		At all Ages.						
		Number.	Rate.*	Number.	Rate per 1,000 Births register'd.	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1895.	32,714	830	23·57	107	129	667	20·3	230	165	46	302	15·3
1896.	32,846	818	24·90	108	133	649	19·7	200	150	38	499	15·1
1897.	32,982	765	23·19	105	138	848	25·7	279	242	50†	656	19·8
1898.	33,121	714	21·55	108	152	660	20·5	236	214	50†	496	15·4
1899.	33,262	820	24·65	106	129	702	21·1	179	168	50†	578	17·3
1900.	33,305	813	24·41	94	115	710	21·3	313	215	53	548	16·4
1901.	33,548	762	22·71	101	132	640	19·0	272	197	39	482	14·3
1902.	33,717	792	23·50	92	117	632	18·5	313	222	60	470	14·2
1903.	33,832	810	23·94	104	128	617	18·2	260	227	48	438	12·9
1904.	24,052	841	24.69	91	108	586	16·6	210	127	52	491	14·41
Averages for years 1895-1904.	33,341	796	23·71	101	128	689	20·08	249	192	48	516	15·49
1905.	34,225	795	23·22	87	109	677	19·7	244	210	53	520	15·1

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population. † Estimated.

NOTE.—The deaths included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there—these institutions are: (1) The Kent County Asylum, Barming; (2) West Kent General Hospital, Maidstone; (3) Ophthalmic Hospital, Maidstone; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere, viz.: Union Workhouse, Coxheath.

The "Public institutions" taken into account for the purpose of these Tables are those into which persons are habitually received on account of infirmity, such as hospitals, workhouses and lunatic asylums.

Area of District in acres (exclusive of area covered by water.) } 4,008 acres.

Total population at all ages...............	33,516	At Census of 1901.
Number of inhabited houses	6,648	
Average number of persons per house	5·04	

TABLE II.

Cases of Infectious Diseases Notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.		NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.	
	At all Ages.	At Ages—Years.						East Maidstone	**H** West Maidstone	East Maidstone	West Maidstone
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.				
Small Pox	..	..	..	..	..	..	..	..	..	..	..
Cholera............		..	..	..	..	..	..	..	..	..	..
Diphtheria	24	..	4	10	7	3	..	10	14	12	11
Membranous Croup..	..	..	..	..	..		..	..	..	..	..
Erysipelas	16	..	1	..		15	..	8	8	..	..
Scarlet Fever	263	3	54	172	23	11	..	113	150	72	71
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever	5	0	..	..	4	1	..	2	3	2	2
Relapsing Fever....	..	..	..	..	..	..	..	..	..	..	..
Continued Fever....	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..
Totals	308	3	59	182	34	30	..	133	175	86	84

H—denotes that the Isolation Hospital for Infectious Diseases is situated in West Maidstone.

TABLE III.

Causes of, and Ages at, Death during the Year 1905.

Causes of Death.	Deaths in Whole District at subjoined Ages.							Deaths in Localities (at all Ages).		Deaths in Public Institutions.
	All Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	East Maidstone	West Maidstone	
Small Pox	...	...	...	...	...	...	...	...	...	...
Measles	6	1	5	...	...	...	...	3	3	...
Scarlet Fever	1	...	...	1	...	...	...	1	...	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	1	...	...	...	...	...	1	1	...	...
Whooping Cough	2	2	...	...	...	...	...	1	1	...
Diphtheria, Membranous Croup	1	...	1	...	...	...	...	...	1	1
Croup	...	...	...	...	...	...	...	...	...	...
Enteric Fever	2	...	...	2	...	...	...	2	...	2
Asiatic Cholera	...	...	...	...	...	...	...	...	...	...
Diarrhœa, Dysentery	5	5	...	...	...	...	...	4	1	...
Epidemic or Zymotic Enteritis	2	2	...	...	...	...	...	2	...	...
Enteritis	3	3	...	...	...	...	...	2	1	3
Other continued Fevers	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases	...	...	...	...	...	...	...	...	...	...
Intermittent Fever and Malarial Cachexia	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Meninges	6	2	1	2	1	...	...	2	4	2
Tuberculosis of Lungs	49	...	2	1	12	32	2	31	18	59
Other forms of Tuberculosis	12	1	1	5	2	1	2	9	3	6
Alcoholism	2	...	...	...	...	1	1	1	1	...
Cancer	39	...	...	...	2	23	14	18	21	16
Premature Birth	20	20	...	...	...	...	...	10	10	...
Developmental Diseases	6	4	2	...	...	...	...	3	3	...
Old Age	55	...	...	...	...	...	55	33	22	39
Meningitis	9	...	4	1	2	2	...	8	1	2
Inflammation & Softening of Brain.	1	...	...	...	...	1	...	1	...	...
Organic Diseases of Heart	61	1	...	...	1	30	29	26	35	50
Acute Bronchitis	34	12	4	2	...	8	8	20	14	4
Chronic Bronchitis	13	...	...	1	...	4	8	8	5	...
Lobar (Cropous) Pneumonia	10	...	1	...	...	7	2	5	5	8
Lobular (Broncho-) Pneumonia	36	6	13	1	...	9	7	26	10	13
Diseases of Stomach	6	2	...	...	...	2	2	4	2	7
Obstruction of Intestines	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver	13	...	...	...	...	7	6	9	4	2
Nephritis and Bright's Disease	12	1	...	1	...	7	3	7	5	6
Tumours and Other Affections of Female Genital Organs	1	...	...	...	...	1	...	1	...	1
Accidents & Diseases of Parturition	2	...	...	...	...	2	...	1	1	...
Deaths by Accident or Negligence	19	3	2	3	...	10	1	5	14	7
Deaths by Suicide	1	...	...	...	...	1	...	...	1	...
Deaths from Ill-defined Causes	2	...	...	...	...	...	2	1	1	1
All other Causes	88	24	2	1	2	33	26	51	37	56
All Causes	520	89	38	21	22	181	169	296	224	286

TABLE IV.

Infantile Mortality during the Year 1905.

DEATHS from stated Causes in Weeks and Months under One Year of Age.

CAUSES OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 year.
ALL CAUSES:—																	
Certified ...	12	3	8	5	28	7	15	3	7	3	4	4	2	4	4	4	85
Uncertified	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	2
COMMON INFECTIOUS DISEASES:—																	
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Scarlet Fever	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...
Diphtheria: Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	..	...	..	1	...	...	...	...	1
DIARRHŒAL DISEASES:—																	
Diarrhœa, all forms	...	...	...	...	...	...	1	...	1	1	...	...	...	...	1	..	4
Enteritis (*not Tuberculous*)	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	...	3
Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	3
WASTING DISEASES:—																	
Premature Birth	10	...	5	...	...	2	1	...	...	...	...	...	...	...	...	...	18
Congenital Defects	...	...	...	...	...	..	1	...	1	...	..	...	...	...	...	...	2
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-milk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus	1	1	...	3	...	1	6	1	2	...	1	...	...	...	...	1	17
TUBERCULOUS DISEASES:—																	
Tuberculous Meningitis	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
Tuberculous Peritonitis: Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	2
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	1	...	...	...	...	...	...	...	...	...	..	...	...	1
Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (*not Tuberculous*)	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Convulsions	1	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	4
Bronchitis	...	1	1	...	...	...	1	2	2	1	...	1	2	1	1	1	14
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Pneumonia	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2	2	6
Suffocation, overlaying	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	3
Other Causes	...	...	2	...	...	3	...	...	...	...	1	...	...	...	...	...	6
	13	3	9	5	30	7	15	3	7	3	4	4	2	4	4	4	87

BIRTHS IN THE YEAR } Legitimate.... 756
Illegitimate .. 39

POPULATION, estimated to middle of 1905—34,225.

DEATHS FROM ALL CAUSES AT ALL AGES ....520.

TABLE V.

Factories, Workshops, Laundries, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ..	20	—	—
Workshops (including Workshop Laundries)	213	14	—
Workplaces	17	4	—
Homeworkers' Premises	35	—	—
Total	285	18	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prose-cutions.
	Found.	Remedied.	Referred to H.M. Inspecter.	
*Nuisances under the public Health Act :—**				
Want of cleanliness	3	3	—	—
Want of ventilation	1	1	—	—
Overcrowding	1	1	—	–
Want of drainage of floors	—	—	—	—
Other nuisances	1	1	—	—
†Sanitary accommodations. insufficient	5	5	—	—
unsuitable or defective ...	2	2	—	—
not separate for sexes	5	5	—	—
Offences under the Factory and Workshop Act :—				
Illegal occupation of underground bake-house (S. 101)	—	—	—	—
Breech of special sanitary requirements for bakehouses (SS. 97 to 100)	—	—	—	—
Failure as regard lists of outworkers (S. 107)	—	—	—	—
Giving out work to be done in wremises which are unwholesome (S. 108)	—	—	—	—
infected (S. 110)	—	—	—	—
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109)	—	—	—	—
Other Offences	—	—	—	—
Total	18	18	—	—

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* Including those specified in sections 2, 3, 7 and 8, of the Factory Act a remediable under the Public Health Acts.

† Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; the standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced, as laid down by The Sanitary Accommodation Order of Feb. 4th, 1903.

TABLE V.—continued.

3.—OTHER MATTERS.

Class.		Number.	
Matters notified to H.M. Inspectors of Factories		3	
Failure to affix Abstract of the Factory and Workshop Act (S. 133)		2	
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5).	Notified by H.M. Inspector.	5	
	Reports (of action taken) sent to H.M. Inspector.	5	
Other		—	
Underground Bakehouses (S. 101) :—			
Certificates granted during the year		—	
In use at the end of the year		6	
		Number of	
Homework :—		Lists.	Out-workers.
*Lists of Outworkers** (S. 107) :—			
Lists received		16	23
Addresses of outworkers..	forwarded to other Authorities ..	—	
	received from other Authorities ..	1	
		Wearing Apparel;	Other.
Homework in unwholesome or infected premises :—			
Notices prohibiting homework in unwholesome premises (S. 108)		—	—
Cases of infectious disease notified in homeworkers' premises..		—	—
Orders prohibiting homework in infected premises (S. 110)....		—	—
Workshops on the Register (S. 131) at the end of the year :—			
Workshops		302	
Workshop Bakehouses		32	
Total number of workshops on Register....		334	

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* The Lists should be received twice in the year. The year's figures required in the Table are then obtained by adding together the two half-yearly totals.

TABLE VI.—BOARLEY WATER.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.
					Free.	Albuminoid.		Total.	Perman't.			
Gath. Grounds ...	Jan. 2nd...	39·8	2·6	·790	·00	·01	·007	24·2	7·3	clear	none	none
94, Sandling Road	,, 10th...	40·2	2·6	·806	·00	·01	·006	21·0	8·6	,,	,,	,,
Gath. Grounds ...	,, 16th...	40·4	2·6	·823	·00	·01	·005	24·2	8·8	,,	,,	,,
100, Milton Street	,, 23rd...	40·4	2·6	·888	·00	·01	·004	22·9	8·2	,,	,,	,,
Gath. Grounds ...	,, 30th...	40·0	2·6	·823	·00	·01	·009	23·2	8·5	,,	,,	,,
4, Fisher Street...	Feb. 6th...	40·4	2·7	·806	·00	·01	·007	22·0	8·6	,,	,,	,,
11, Astley Street.	,, 20th...	40·6	2·7	·658	·00	·01	·007	21·2	8·0	,,	,,	trace
Gath. Grounds ...	,, 27th...	41·2	2·7	·707	·00	·01	·009	21·0	8·9	,,	,,	none
Albert Street......	Mar. 6th...	40·4	2·6	·543	·00	·03	·007	22·7	8·6	,,	,,	trace
Gath. Grounds ...	,, 13th...	40·0	2·6	·576	·00	·01	·007	24·0	7·5	,,	,,	none
7, Perry Street ...	,, 21st...	40·4	2·8	·641	·00	·01	·007	24·0	7·5	,,	,,	trace
Gath. Grounds ...	,, 27th...	40·4	2·5	·641	·00	·01	·007	22·6	8·2	,,	,,	none
65, Week Street...	April 3rd...	40·2	2·6	·658	·00	·01	·007	22·6	9·6	,,	,,	,,
Gath. Grounds ...	,, 10th...	40·4	2·5	·707	·00	·01	·008	22·0	8·6	,,	,,	,,
11, Brewer Street	,, 17th...	40·0	2·5	·855	·00	·01	·006	23·6	7·3	,,	,,	,,
Gath. Grounds ...	,, 25th...	40·0	2·5	·823	·00	·01	·008	22·5	7·3	,,	,,	,,
,, ...	May 1st...	40·0	2·5	·493	·00	·01	·008	22·6	7·3	,,	,,	,,
,, ...	,, 8th...	39·8	2·5	·823	·00	·01	·008	20·8	7·3	,,	,,	,,
12, Union Street.	,, 15th...	40·0	2·5	·839	·00	·01	·004	21·2	7·5	,,	,,	,,
,, ...	,, 22nd...	39·6	2·6	·823	·00	·01	·007	21·2	7·3	,,	,,	,,
15, Perry Street..	,, 29th ..	40·0	2·6	·872	·00	·01	·005	22·7	7·3	,,	,,	,,
,, ...	June 6th...	40·5	2·7	·827	·00	·00	·007	23·2	7·4	,,	,,	,,
Tufton Street ...	,, 13th...	40·6	2·5	·823	·00	·04	·005	23·5	8·3	,,	,,	,,
,, ...	,, 19th...	40·4	2·5	·888	·00	·01	·008	23 4	8·3	,,	,,	,,
,, ...	July 3rd...	39·5	2·6	·740	·00	·02	·006	22·4	7·1	cl. gn.	,,	,,
28, Perryfield St.	,, 10th...	39·5	2·6	·823	·00	·01	·005	23·4	8·1	clear	,,	,,
,, ...	,, 17th...	40·0	2·6	·806	·00	·01	·005	23·2	8·2	,,	,,	,,
6, Alexandra St. .	,, 24th...	39·5	2·5	·576	·00	·01	·004	22·8	8·1	,,	,,	,,
,, ...	,, 31st...	41·2	2·6	·806	·00	·02	·004	23·2	7·9	,,	,,	,,
3, Union Street...	Aug. 8th...	40·6	2·6	·526	·00	·01	·004	23·2	7·9	,,	,,	,,
,, ...	,, 14th...	39·4	2·4	·740	·00	·01	·008	23·6	8·2	,,	,,	,,
Week Street	,, 21st...	41·2	2·6	·592	·00	·02	·007	22·6	8·1	,,	,,	,,
,, ...	,, 28th...	39·9	2·4	·576	·00	·01	·008	23·2	8·1	,,	,,	,,
,, ...	Sept. 4th...	39·4	2·5	·806	·00	·01	·006	22·6	7·7	,,	,,	abs' n
Sandling Road ...	,, 18th...	40·2	2·5	·757	·00	·01	·004	23·2	8·1	,,	,,	none
,, ...	,, 25th...	40·8	2·5	·724	·00	·01	·005	23·0	8·2	,,	,,	,,
Allen Street	Oct. 2nd...	43·8	2·4	·416	·00	·03	·005	19·4	4·8	,,	,,	,,
,, ...	,, 9th...	44·0	2·6	·740	·01	·01		23·4	8·3	,,	,,	traces
3, Hope Street ...	,, 16th...	38·0	2·6	·691	·00	·01	·005	20·2	8·8	,,	,,	free
,, ...	,, 23rd...	42·0	2·3	·794	·01	·01	·007	20·6	10·0	,,	,,	none
Randall Street ...	,, 30th...	48·0	2·6	·794	·00	·01	·006	22·2	7·4	,,	,,	,,
,, ...	Nov. 6th...	41·0	2·4	·790	·00	·01	·005	26·0	9·1	,,	,,	,,
Woollett Street...	,, 13th...	43·0	2·8	·674	·00	·086	·007	18·75	8·5	,,	,,	,,
,, ...	,, 20th...	42·0	2·7	·823	·00	·036	·008	21·25	7·8	,,	,,	,,
Stacey's Passage.	,, 27th...	42·0	2·6	·892	·00	·01	·007	22·5	9·7	,,	,,	,,
,, ...	Dec. 4th...	47·0	2·6	·806	·00	·00		22·5	8·7	,,	,,	,,
Alexandra Street	,, 11th...	50·0	2·8	·806	·00	·01		22·5	6·3	,,	,,	,,
,, ...	,, 18th...	39·0	2·7	·609	·00	·01	·008	22·5	7·0	,,	,,	,,
	Mean results for 1905.	41·0	2·5	·743	·00	·01	·006	22·5	8·0	clear	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE VII.—COSSINGTON WATER.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.
					Free.	Albu-minoid.		Total.	Perman't.			
Gath ng Ground..	Jan. 10th...	40·0	2·5	.658	·00	·01	·008	21·6	7·8	clear	none	none
,,	,, 23rd...	40·0	2·5	·839	·00	·01	·006	21·0	8·8	,,	,,	,,
,,	Feb. 6th...	40·0	2·5	·658	·00	·01	·007	22·0	8·6	,,	,,	,,
,,	,, 20th...	40·0	2·5	·427	·00	·01	·006	21·5	8·5	,,	,,	trace
,,	Mar. 6th...	40·0	2·4	·576	·00	·01	·008	24·3	8·3	,,	,,	,,
,,	,, 21st...	40·0	2·4	·526	·00	·01	·008	22·6	7·8	,,	,,	,,
,,	April 3rd...	39·8	2·4	·641	·00	·01	·008	22·0	9·4	,,	,,	none
,,	,, 17th...	40·4	2·4	·559	·00	·01	·008	25·4	7·2	,,	,,	,,
,,	May 1st...	40·2	2·4	·477	·00	·01	·009	22·0	7·3	,,	,,	,,
,,	,, 15th...	39·8	2·6	·740	·00	·01	·007	19·8	7·3	,,	,,	,,
,,	,, 29th...	39 2	2·4	·658	·00	·01	·007	21·2	7·4	,,	,,	,,
,,	June13th...	38·7	2·4	·543	·02	·04	·008	22·0	7·6	,,	,,	,,
,,	,, 27th...	38·6	2 2	·674	·00	·00	·007	20·5	7 4	,,	,,	,,
,,	July 10th...	38·5	2·3	·707	·00	01	·006	21·0	7·6	,,	,,	,,
,,	,, 24th...	34·8	2·4	·724	·005	·03	·005	20·6	7·2	,,	,,	,,
,,	Aug. 8th...	35·6	2·4	·427	·00	·02	·006	21·0	7·5	,,	,,	,,
,,	Sept. 4th...	39·2	2·4	·543	·01	·01	·007	20·4	7·2	,,	,,	abs'nt
,,	,, 18th...	38·8	2·4	·641	·00	·01	·006	21·2	7·7	,,	,,	none
,,	Oct. 2nd...	40·0	2·2	·373	·00	·00	·008	17·6	3·6	,,	,,	,,
,,	,, 16th...	35·2	2·2	·510	·00	·01	·008	19·0	6·0	,,	,,	free
,,	,, 20th...	40·0	2·4	·638	·00	·00	·005	19·2	6·0	,,	,,	ft.tee.
,,	Nov. 13th...	42·0	2·2	·563	·00	·00	·008	18·0	7·75	,,	,,	,,
,,	,, 27th...	37·0	2·4	·411	·00	·01	·005	20·4	8·9	,,	,,	none
,,	Dec. 11th...	39·6	2·6	·625	·00	·01		21·5	5·5	,,	,,	,,
,,	,, 28th...	42·0	2·5	·629	·00	·01	·007	21·5	6·5	,,	,,	,,
	Mean results for 1905.	39·1	2·4	·590	·00	·01	·006	21·1	7·35	clear	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE VIII.—EWELL WATER.

Source of Sample.	Date of Collection.	Total Solids	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.
					Free.	Albuminoid.		Total.	Perman'nt.			
Heath Cottages...	Jan. 2nd...	40·0	2·7	·609	·00	·01	·009	21·0	8·2	clear	none	none
Gath'ng Ground..	,, 10th...	40·4	3·0	·641	·00	·01	009	22·1	8·2	,,	,,	,,
Heath Cottages...	,, 16th...	40·0	2·8	·477	·00	·01	·007	23·4	8·6	,,	,,	,,
Gath'ng Ground..	,, 23rd...	40·4	3·1	·773	·00	·01	·008	23 8	9·6	,,	,,	,,
Farleigh Lane ...	,, 30th...	40·4	2·8	·510	·00	·01	·007	22·9	9·0	,,	,,	,,
Gath'ng Ground..	Feb. 6th...	40·2	2·9	·444	·00	·01	·008	24·3	8·9	,,	,,	,,
,, ...	,, 13th...	40·4	2·9	·444	·00	·01	·006	22·7	7·2	,,	,,	,,
,, ...	,, 20th...	40·0	2·8	·493	·00	·01	·008	22·0	9·4	,,	,,	trace
,, ...	,, 27th ..	40 0	2·7	·493	·00	·01	·008	22·7	9·5	,,	,,	none
,, ...	Mar. 6th...	40 0	3·1	·493	·00	·01	·007	24·0	9·9	,,	,,	trace
Heath Cottages...	,, 13th...	40·0	2·8	·592	·00	·01	·008	24·6	9·0	,,	,,	none
,, ...	,, 21st...	40·0	3·1	·757	·00	·01	·009	21·3	7·9	,,	,,	trace
,, ..	,, 27th...	40·2	2·7	·395	·00	·01	·009	22·6	8·1	,,	,,	none
,, ...	April 3rd...	40·0	2·7	·444	·00	·01	·009	24·0	9·3	,,	,,	,,
Queen's Road......	,, 10th...	40·2	3·1	·724	·00	·01	·007	21·6	7·3	,,	,,	,,
Gath'ng Ground..	,, 17th...	40·0	2·6	·460	·00	·01	·006	24·8	7·5	,,	,,	,,
Heath Cottages...	,, 25th...	40·0	2·8	·493	·00	·01	·007	24·8	8·6	,,	,,	,,
Gath'ng Ground..	May 1st...	40·0	3·1	·460	·00	·01	·005	20·7	8·5	,,	,,	,,
,, ...	,, 8th...	40·0	3·2	·658	·00	·01	·006	23·0	8·2	,,	,,	,,
,, ...	,, 15th...	39·8	3·0	·444	·00	·01	·008	19·8	8·0	,,	,,	,,
,, ...	,, 22nd...	39·8	3·1	·872	·00	·01	·005	23·0	8·8	,,	,,	,,
,, ...	,, 29th...	39·6	2·9	·674	·00	·01	·008	23·4	8·0	,,	,,	,,
,, ...	June 6th...	39·6	3·1	·411	·00	·00	·008	21·4	5·4	,,	,,	,,
,, ...	,, 13th...	39·2	3·2	·674	·01	·00	·008	21·2	6·8	,,	,,	,,
Half-Yoke House	,, 19th...	39·6	3·2	·431	·00	·01	·009	21·2	7·0	,,	,,	,,
,, ...	,, 26th...	39·0	3·1	·773	·01	·01	·006	21·2	6·5	,,	,,	,,
Heath Cottages...	July 3rd...	37·4	2·8	·510	·00	·03	·008	20 8	6·8	cl. gr.	,,	,,
,, ...	,, 10th...	39·4	2·9	·592	·01	·01	·004	21·2	6·7	clear	,,	,,
,, ...	,, 17th...	39·2	2·7	·658	·00	·01	·006	21·2	6·6	,,	,,	,,
,, ...	,, 24th...	40·3	2·7	·526	·00	·01	·007	21·2	6·4	,,	,,	,,
,, ...	,, 31st...	39·8	2·7	·559	·00	·01	·006	20·8	6·6	,,	,,	,,
,, ...	Aug. 8th...	39·0	2·8	·395	·00	·01	·006	21·3	6·7	,,	,,	,,
,, ...	,, 14th...	38·6	2·9	·510	·00	·01	·005	20·9	6·6	,,	,,	,,
,, ...	,, 28th...	38·8	2·7	·427	·00	·01	·007	21·4	7·4	,,	,,	,,
,, ...	Sept. 4th...	38·6	2·6	·510	.00	·01	·006	20·6	7·3	,,	,,	abs'nt
,, ...	,, 11th...	39·6	2·7	·526	·00	·01	·008	20·9	6·6	,,	,,	,,
,, ...	,, 18th...	40·1	2·6	·510	·00	·01	·007	20·8	6·4	,,	,,	none
,, ...	,, 25th...	38·6	2·6	·526	·00	·01	·008	21.3	6·8	,,	,,	,,
,, ...	Oct. 2nd...	43·0	2·6	·350	·00	·00	·007	19·0	7·8	,,	,,	traces
,, ...	,, 9th...	45·0	2·4	·263	·00	·01	—	20·6	6·8	,,	,,	,,
Filt. Reservoir ...	,, 16th...	47·0	3·1	·526	·00	·01	·006	18·6	7·3	,,	,,	ft. tr.
Heath Cottages...	,, 16th...	49·0	2·6	·510	·00	·01	·006	20·4	5·7	,,	,,	,,
Day's Cottages ...	,, 23rd...	48·6	2·9	·711	·01	·01	·008	18·4	8·2	,,	,,	none
Filt. Reservoir ...	,, 23rd...	39·0	2·9	·625	·01	·01	·008	18·6	10.2	,,	,,	,,
,, ...	,, 30th...	40·4	3·2	·534	·00	·01	·007	19·5	6.3	,,	,,	ft. tr.
Reservoir	Nov. 6th...	40·6	2·5	·547	·00	·00	·007	24·0	8·1	,,	,,	,,
,, ...	,, 13th...	41·0	3·0	·510	·00	·00	·009	19·5	6 0	,,	,,	none
,, ...	Dec. 11th...	41·0	2·8	·481	·00	·01	—	22·5	4.5	,,	,,	,,
	Mean results for 1905.	40·4	2·8	·526	·00	·01	·007	20·4	7·6	clear	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE IX.—FORSTAL WATER.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.
					Free.	Albu-minoid.		Total.	Perm'nt.			
Gathering Gr'nd.	Jan. 2nd...	40·6	3·2	·016	·00	·01	·006	22·1	9·1	clear	none	none
,,	,, 16th...	40·2	3·1	·016	·00	·01	·008	25·3	9·3	,,	,,	,,
,,	,, 30th...	40·6	3·2	·016	·00	·01	·007	27·5	9·6	,,	,,	,,
,,	Feb. 20th...	40·6	3·2	·016	·00	·01	·009	24·8	8·5	,,	,,	trace
,,	,, 27th...	40·6	3·2	·016	·00	·01	·006	22·4	9·4	,,	,,	none
,,	Mar. 13th...	40·2	3·2	·016	·00	·01	·008	27·8	8·0	,,	,,	,,
,,	,, 27th...	40·8	3·2	·016	·00	·01	·006	26·6	7·8	,,	,,	,,
,,	Ap'l 10th...	40·2	3 0	·016	·00	·01	·008	24·7	8·0	,,	,,	,,
,,	,, 25th...	40·4	3·1	·016	·00	·01	·007	26·0	9·8	,,	,,	,,
,,	May 8th...	40·4	3·2	·016	·00	·01	·005	23·7	9·8	,,	,,	,,
,,	,, 22nd...	40·0	3·2	·016	·00	·01	·008	24·9	9·2	,,	,,	,,
,,	June 6th ...	42·2	3·1	·00	·01	·01	·007	28 4	5·5	,,	,,	,,
,,	,, 19th...	42·2	3·2	·09	·01	·01	·007	22·7	8·9	,,	,,	,,
,,	July 3rd...	35·7	3·15	·00	·00	·03	·009	23·5	8·9	v.s. cy	,,	,,
,,	,, 17th...	39·8	3·00	·09	·00	·01	·005	22·4	8·4	clear	,,	,,
,,	July 31st...	40·2	2·9	·065	·00	·01	·007	22·4	8·6	,,	,,	,,
,,	,, 14th...	39·6	3·2	·049	·00	·01	·006	21·9	8·5	,,	,,	,,
,,	,, 28th...	41·3	3·00	065	·00	·01	·008	22·6	8·9	,,	,,	,,
,,	S'pt. 11th...	41·4	3·0	·049	·00	·01	·007	22·6	8·7	,,	,,	abs'nt
,,	,, 25th...	40·2	3·05	·098	·00	·02	·007	22·2	8·7	,,	,,	none
,,	Oct. 9th..	39·4	3·1	·082	·00	·01	·007	22·7	8·2	,,	,,	f'nt tr
,,	,, 23rd...	53·0	3·1	·135	·01	·01	·006	23·0	7·8	,,	,,	traces
,,	Nov. 6th...	40·2	3·0	·036	·00	·00	·009	23·0	9·0	,,	,,	none
,,	,, 20th...	43·0	3·1	·082	·00	·01	·006	22·0	8·5	,,	,,	,,
,,	Dec. 4th...	53·0	3·1	·036	00	·01	...	24·5	8·5	,,	,,	,,
,,	,, 18th...	52·0	3·2	·102	·00	·00	·005	25·0	8·8	,,	,,	,,
	Mean results for 1905.	41·8	3·1	·04	·00	·01	·006	24·0	8·6	clear	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE X.—COSSINGTON AND FORSTAL MIXED WATER.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Oxygen absorbed in 4 hrs. at 80° F.	Hardness.		Colour and appearance in 2-foot tube.	Smell.	Phosphoric Acid.
					Free.	Albu-minoid.		Total.	Perman't.			
58, James Street.	Jan. 2nd...	40·2	2·5	·625	·00	·01	·008	23·4	7·5	clear	none	none
23, Western Road	,, 10th...	40·4	2·8	·477	·00	·01	·007	23·2	8·6	,,	,,	,,
55, Up. Fant Rd.	,, 16th...	40·4	2·7	·559	·00	·01	·008	23·2	7·1	,,	,,	,,
Queen's Hd. Hot.	,, 23rd...	40·0	2·5	·493	·00	·01	·009	24·7	8·9	,,	,,	,,
16, Carey Street..	,, 30th...	40·0	2·5	·444	·00	·01	·008	21·0	8·3	,,	,,	,,
Bedford Place ...	Feb. 6th...	40·0	2·6	·493	·00	·01	·007	23·5	9·1	,,	,,	,,
142, Milton Street	,, 13th...	40·2	2·6	·707	·01	·01	·008	20·4	7·1	,,	,,	,,
,,	,, 13th...	40·0	2·8	·427	·00	·01	·007	21·2	7·3	,,	,,	,,
6, Market Street.	,, 20th...	40·2	2·8	·493	·00	·01	·009	22·7	8·9	,,	,,	trace
30, Whitmore St.	,, 27th...	40·8	2·6	·444	·00	·01	·009	22·0	7·6	,,	,,	none
54, Milton Street.	Mar. 6th...	39·8	2·8	·395	·00	·01	·008	26·7	8·8	,,	,,	trace
Wheeler Street ...	,, 13th...	40·4	2·7	·559	·00	·01	·006	23·3	7·8	,,	,,	none
Up. Stone Street.	,, 21st...	40·0	2·8	·444	·00	·01	·008	24·3	7·7	,,	,,	trace
St. Peter Street...	,, 27th...	40·2	2·3	·477	·00	·01	·009	20·6	7·5	,,	,,	none
Milton Street......	April 3rd...	40·0	2·7	·460	·00	·01	·005	24·3	9·9	,,	,,	,,
20, St. Faith St....	,, 17th...	40·2	2·7	.444	·00	·01	·007	23·3	8·6	,,	,,	,,
18, Western Road	,, 25th...	39·8	2·6	·444	·00	·01	·009	22·5	7·2	,,	,,	,,
13, Dover Street.	May 1st...	39·8	2·7	·559	·00	·01	·006	24·5	8·8	,,	,,	,,
Pudding Lane ...	,, 8th...	40·0	2·6	·444	·00	·01	·007	23·2	7·5	,,	,,	,,
Fant Lane	,, 15th...	40·0	2·7	·658	·00	·01	·009	22·7	7·7	,,	,,	,,
St. George's Sq...	,, 22nd...	39·8	2·6	·493	·00	·01	·009	22·0	7·7	,,	,,	,,
200, Up. Fant Rd.	,, 29th...	39·8	2·7	·411	·00	·01	·008	23·4	8·0	,,	,,	,,
Fairmeadow	June 6th...	38·7	2·7	·444	·01	·01	·008	22·4	6·0	,,	,,	,,
"For. of War," Up. Stone St.	,, 13th...	41·5	2·7	·477	·00	·04	.007	22·7	8·9	,,	,,	,,
38, Fant Lane ...	,, 19th...	41·2	2·7	·395	·00	·01	·007	21·8	7·9	,,	,,	,,
21, Medway St....	July 3rd...	35·6	2 6	·609	·00	·02	·007	21·4	7·6	,,	,,	,,
70, Hardy Street.	,, 10th...	38·0	2·6	·592	·00	·015	·006	21·4	7·8	,,	,,	,,
Grammar School	,, 17th...	34·6	2·6	·576	·00	·008	·008	20·8	7·8	,,	,,	,,
Bower Place	,, 24th...	38·5	2·7	·312	·00	·02	·009	21·6	7·6	,,	,,	,,
Up. Fant Road ...	,, 31st...	39·6	2·6	·395	·01	·01	·005	21·2	8·1	,,	,,	,,
130, Kingsley Rd	Aug. 8th...	38·0	2·6	·378	·00	·01	·007	21·6	7·6	,,	,,	,,
82, Hardy Street.	,, 14th...	40·8	2·6	·526	·00	·01	·007	22·4	8·1	,,	,,	,,
Summerfield Ter.	,, 21st...	39·4	2·5	·477	·00	·01	·006	21·0	7·8	,,	,,	,,
76, Tonbridge Rd.	,, 28th...	40·8	2·5	·411	·00	·01	·006	21·6	7·8	,,	,,	,,
42, Melville Road	Sept. 4th...	39·6	2·5	·526	·00	·01	·005	21·1	7·5	,,	,,	abs'nt
Upper Fant Road	,, 11th...	39·7	2·6	·510	·00	·01	·006	21·9	8·0	,,	,,	,,
Church St., Tovil	,, 18th...	39·4	2·5	·526	·00	·01	·008	21·6	7·8	,,	,,	none
Bower Lane	,, 25th...	39·2	2·5	·493	·00	·01	·008	21·5	7·7	,,	,,	,,
19, Western Rd...	Oct. 2nd...	49·0	2·7	·340	·00	02	·006	19·2	4·4	,,	,,	f't. tr.
Upper Fant Road	,, 9th...	42·0	2·7	·362	·00	·01	—	21·8	7·2	,,	,,	traces
Allen Street	Nov. 13th...	42·0	2·3	·571	·00	·01	·007	17·75	7·75	,,	,,	none
86, Kingsley Rd.	,, 20th...	39·0	2·6	·411	·00	·02	·009	23·75	7·2	,,	,,	,,
,,	,, 27th...	40·0	2·7	·312	·00	·00	·005	23·2	7·1	,,	,,	,,
Heath Cottages...	Dec. 4th...	53·0	2·8	·559	·00	·01	—	21·5	7·8	,,	,,	,,
Howard House ...	,, 11th...	41·0	2·6	·481	·00	·01	—	21·6	4·7	,,	,,	,,
75, Tonbridge Rd.	,, 18th...	39·0	2·6	·341	·00	·00	·004	23·5	6·7	,,	,,	,,
Heath Cottages...	,, 28th...	43·0	2·6	·382	·00	·01	00·8	22·5	7·7	,,	,,	,,
	Mean results for 1005.	40·3	2·6	·471	·00	·01	·007	22·3	7·7	clear	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE XI.—MONTHLY RECORD OF METEOROLOGY.

Months.	Mean Reading of the Barometer.	Mean of Max. of Thermometer in Shade.	Mean of Min. of Thermometer in Shade.	Relative Proportion of Wind.								Rainfall.
				N.	N.E.	N.W.	S.	S.E.	S.W.	E.	W.	
		Degrees.	Degrees.									
January	30·63	38	29	2	1	2	1	6	7	3	12	1·09
February	30·56	44	35	2	2	5	1	1	4	2	8	1·04
March	30·09	49	36	3	.	..	3	6	10	2	7	2·64
April..........	29·21	53	38	2	5	5	1	6	8	..	3	2·63
May	30·37	62	42	8	8	5	2	..	5	..	3	1·46
June	30·12	67	51	6	6	3	.	3	5	2	5	4·24
July	30·13	75	55	3	1	3	2	1	9	1	11	1·40
August........	30·05	68	51	2	1	2	2	6	10	1	7	2·13
September	30·21	62	47	4	6	5	3	1	6	2	3	1·97
October	30·38	50	36	5	1	12	1	..	4	..	7	1·49
November	30·12	48	38	4	3	2	3	6	6	4	2	3·70
December......	30·66	42	42	5	1	2	1	5	5	3	9	·92
Means	30·21	55	42	46	35	47	20	41	79	20	77	24·71